

## **CONFIGURABLE COMMUNICATIONS MODULES AND METHODS OF MAKING THE SAME**

### **ABSTRACT**

Configurable communications modules and methods of making the same  
5 are described. In one aspect, a communications module includes a data channel  
and a termination impedance controller. The data channel is operable to translate  
data signals in at least one direction between a transmission cable interface and a  
host device interface. The data channel has a variably configurable termination  
impedance at a host device node that is connectable to a host device. The  
10 termination impedance controller is operable to set the variably configurable  
termination impedance of the data channel to match the termination impedance  
to the host system.